User Manual
Ituran GPS
GPS 430

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User Manual GPS 430

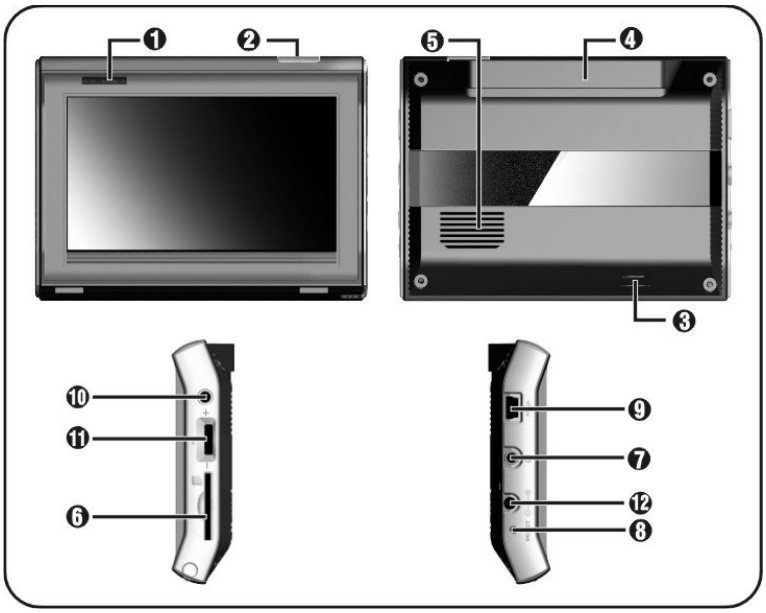
Thank you for purchasing Ituran's navigation system.
The unit provides easy to use highly accurate navigation instructions based on GPS technology.
We are wishing you a pleasant and safe drive.

Contents of box:

1. Personal navigation device GPS 430 that includes navigation s/w and maps of Israel
2. Car charger
3. AC charger
4. Windshield mount
5. Cradle
6. Carry bag
7. USB cable
8. Stylus pen (installed on back of unit)
9. User manual

Product Description:

Front and side view



(1) **Charger Indicator Light**:
- Green light indicates that battery has power
- Red light indicates charging

(2) **Standby Button**:
- Long press (3 seconds) turns unit in and out of sleep mode for power saving

(3) **Unit Power On/Off**:
- The unit will reset when power button is tuned on

(4) **GPS Antenna**
(5) **Speaker**
(6) **SD card slot**:
- Note:
  When inserting an SD card with oversea maps, do not remove the SD card when the navigation s/w is working. Close the navigation application before taking SD card out of slot

(7) **Earphone Jack**
(8) **Reset Button**
(9) **USB Connector**
(10) **External GPS Antenna Connector**
(11) **Volume Up/Down Switch**
(12) **5 Volt DC Jack**

Mounting the unit in the vehicle:

1. Attach the cradle to the windshield mount
2. Insert the unit to the cradle.
   Note: When inserting the unit in to the cradle (or when taking the unit out of the cradle) press on the lever with both thumbs.
3. Attach the mount to the windshield.

General instructions:

1. When using the unit for the first time, charge the battery for at least 12 hours prior to using the system
2. Do not charge the battery at temperatures below zero (Celsius) or above 35º (Celsius)
3. Do not operate the unit at temperatures below -10º or above +50° (Celsius)
4. Do not expose the unit to direct sun light
5. During operation verify that the unit ventilation opening is not blocked
6. For safe driving, do not enter destinations or input data while driving
7. Keep unit dry at all times. Do not operate the unit near any moisture

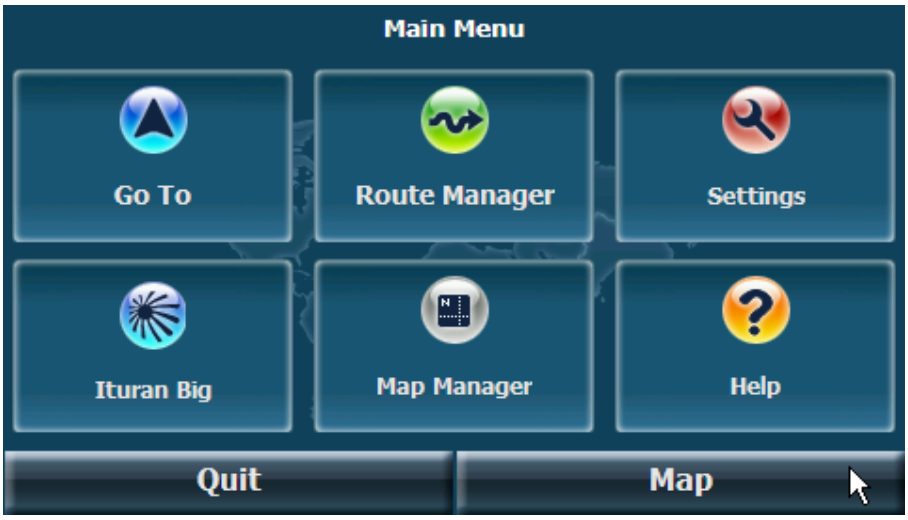
Quick Start:

1. Turn unit on (Power button to ON)

2. The following screen will be displayed

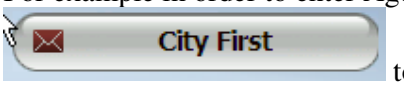
3. Press the "Navigation" button.
   Wait for the navigation application to load.
   A disclaimer will be displayed.
   Press "Accept".
   The following map screen will be displayed:

4. Press the "Menu" button to get to the Main Menu

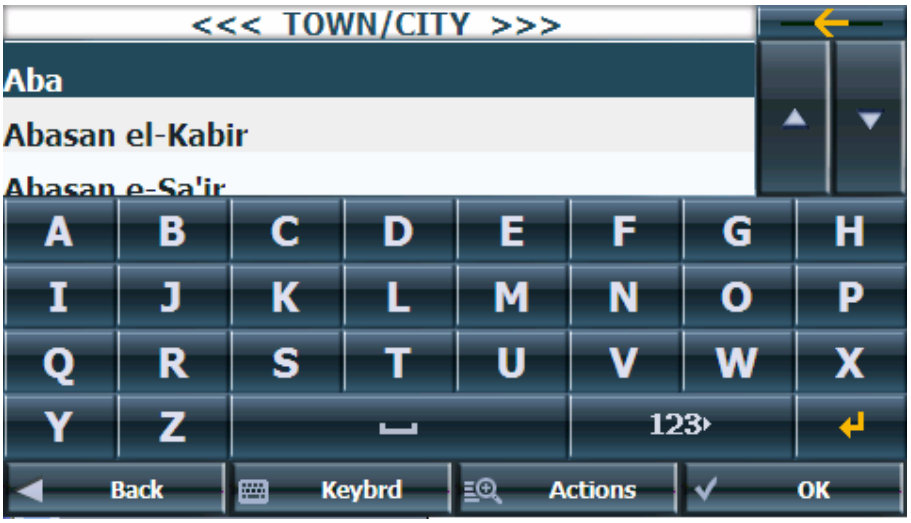


5. Press the "Go To" button to get to the Go To menu

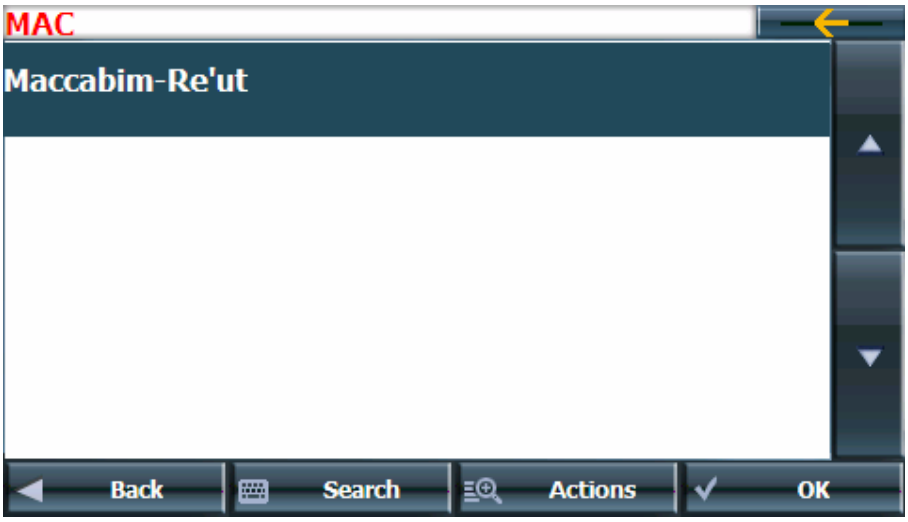
6. Press the "Address" button to enter a destination. The following screen will be displayed:

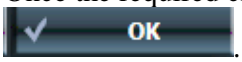
7. Type the required destination.
   For example in order to enter Agur 352 Maccabim as the destination, press
   

   to receive a key board:



8. Type the required destination. To enter the village Maccabim as the destination type the letter M followed by the letters A and C
   To delete a letter press



9. Once the required city name appears highlighted at the top of list press the 

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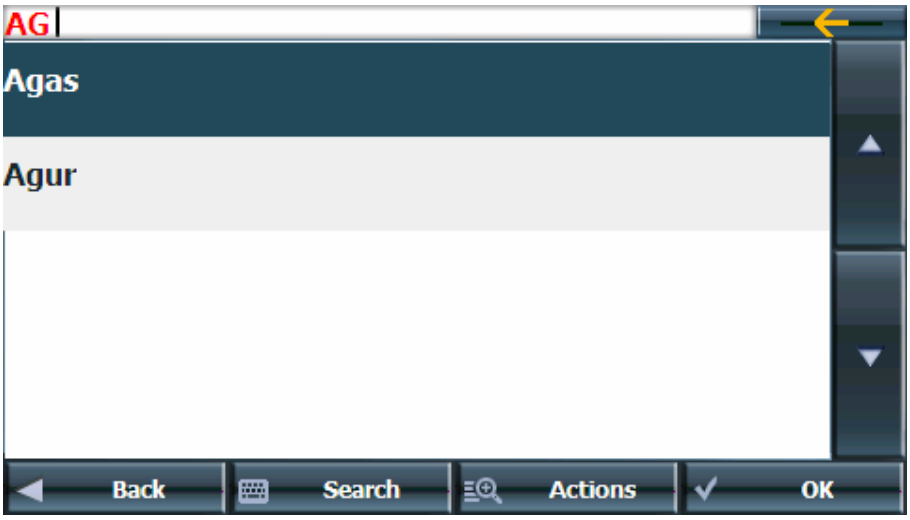
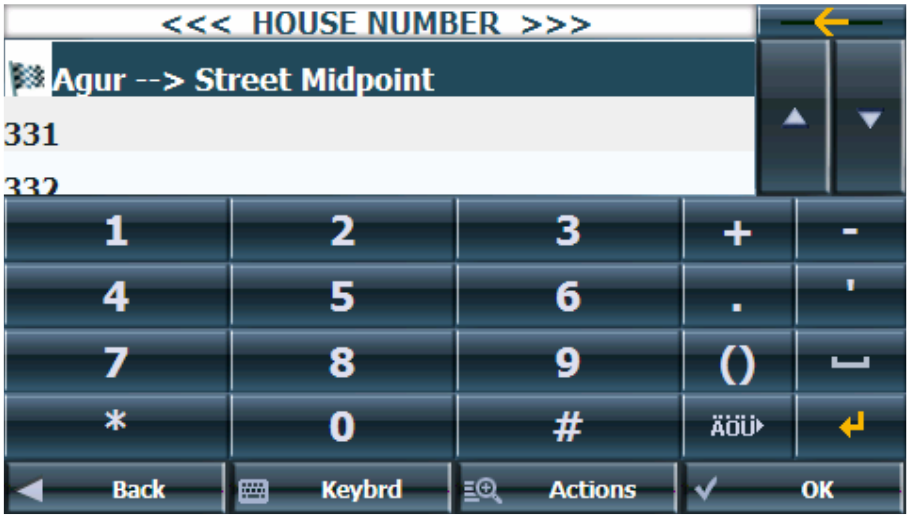
   Note: You can display a list of city names by pressing . The required city can be selected from the list. Once the required city is selected the following screen is displayed:

10. Type the required street name. For Agur, type A followed by the letter G



11. Select the required street name. The following screen will be displayed:



12. Type the requited house number and press

. The required destination will be displayed:

13. Select "Go Short" or "Go Quick".

    Note:
    "Go Quick" selects the route that is quickest (minimum time)
    "Go Short" selects the shortest route (minimum distance).

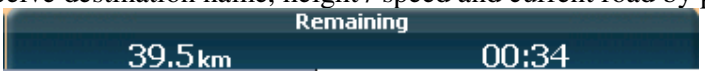
    Once selected the navigation screen is displayed.

14. Verify GPS signal and follow the system's guidance to your destination

15. During navigation you may:

    a. Display the route as a "Turn-by-turn" list by pressing on the "Next Turn" icon or the "Next Street Name"

    The route will be displayed as a list.

b. Receive destination name, height / speed and current road by pressing on the 

button

c. Change display view angel from 3D to 2D and to 2D with North at the top of the screen by pressing on the compass . When the display is 2D with North up a letter N will be added to the compass icon (

).

d. Zoom in or out by pressing the or .
Note: when the display is in 3D the viewing angle will change not the zoom.

e. Receive information concerning charging and status of battery. When charging a red LED will illuminate and the icon will be displayed. When the battery has power a green LED will illuminate. The battery power level will appear when no charging.

f. Receive information concerning GPS satellite reception

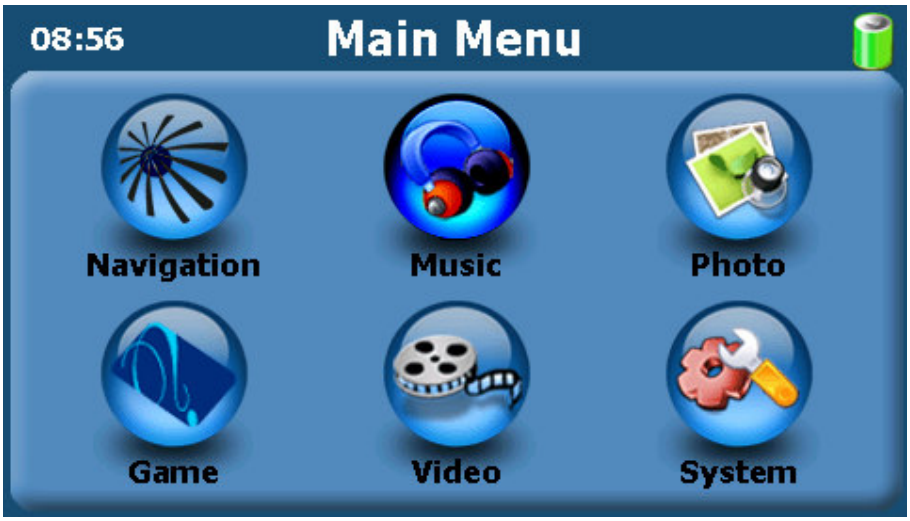
g. Change the volume out put by using the volume up/down button located on the side of the unit.

h. Change between Day and Night display settings. You may select Day, Night or Auto (In Display Settings screen). The Automatic mode is the system's default setting. In this mode the system will change automatically from day to night. This mode is active only when the unit has satellite GPS reception.

i. Get information concerning Ituran BIG call center and services by pressing the

button.

5. **Main Menu - Opening Screen**



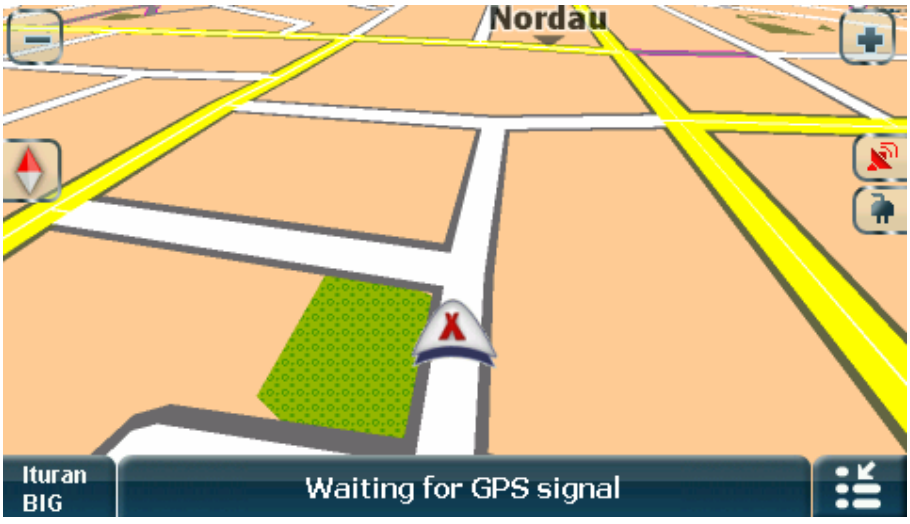
Select:
"Navigation" to activate the navigation software
"System" for unit settings
"Games" to activate the Trivia game (The game is in Hebrew)

If you have an SD cards with pictures, music files or video files select the appropriate function. For more details see "Other Options"

2. **Map screen**

The Map display screen changes if there is an active navigation or not.

When no navigation the screen will be:

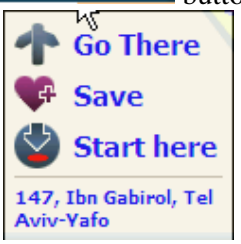


In this mode you may:

a. Receive current street name road by pressing on the

button

b. Double click on any point on the map. The



dialogue box will open enabling to define the selected point as the destination, the starting point or it.

c. Scroll the map (When the display is in 2D)

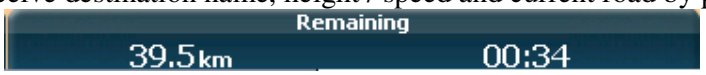
When there is an active navigation, the maps display will be:

The top row provides information concerning the next turn and the name of the street to turn to.
The bottom row provides information about the route, a "Menu" and "Ituran BIG" buttons.

During navigation you may:

a. Display the route as a "Turn-by-turn" list by pressing on the "Next Turn" icon or the "Next Street Name"

The route will be displayed as a list.

b. Receive destination name, height / speed and current road by pressing on the 

button

c. Change display view angel from 3D to 2D and to 2D with North at the top of the screen by pressing on the compass . When the display is 2D with North up a letter N will be added to the compass icon (

)

d. Zoom in or out by pressing the or .
Note: when the display is in 3D the viewing angle will change not the zoom.

e. Receive information concerning charging and status of battery. When charging a red LED will illuminate and the icon will be displayed. When the battery has power a green LED will illuminate. The battery power level will appear when no charging.

f. Receive information concerning GPS satellite reception

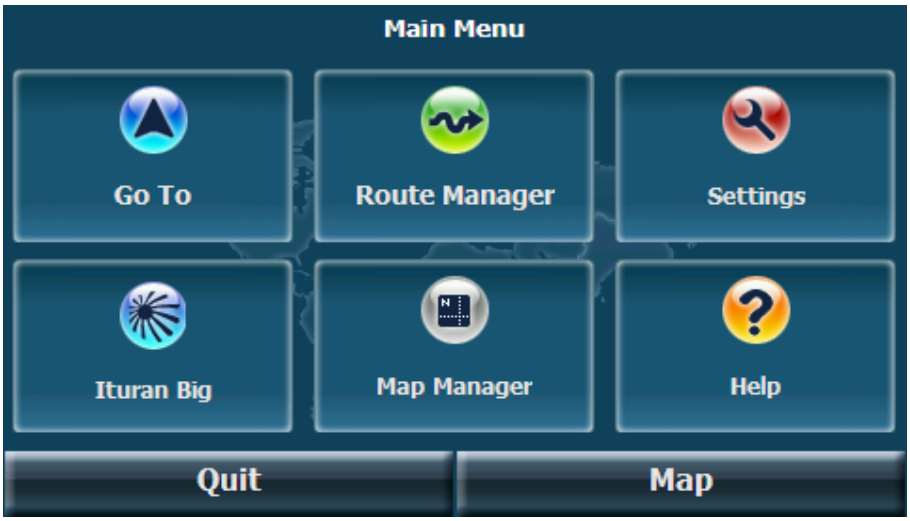
g. Change the volume out put by using the volume up/down button located on the side of the unit.

h. Change between Day and Night display settings. You may select Day, Night or Auto (In Display Settings screen). The Automatic mode is the system's default setting. In this mode the system will change automatically from day to night. This mode is active only when the unit has satellite GPS reception.

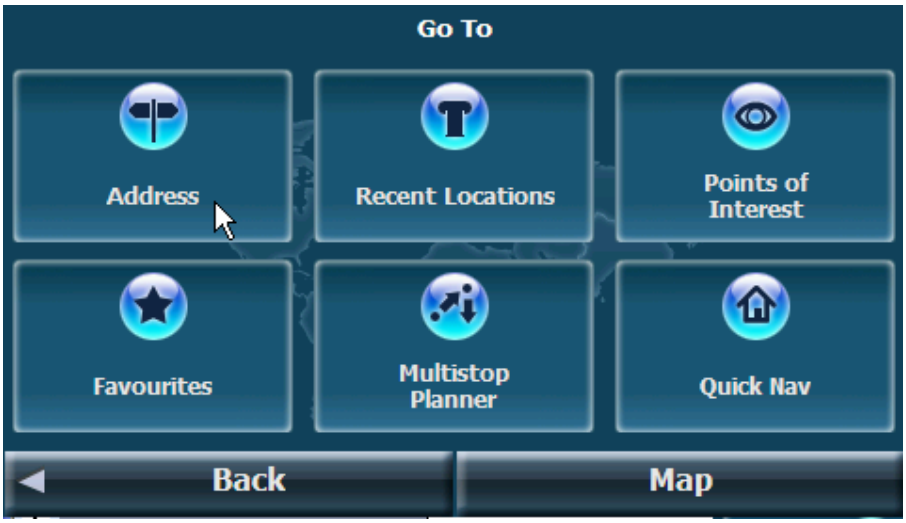
i. Get information concerning Ituran BIG call center and services by pressing the

button.

3. **Main Menu (Navigation)**

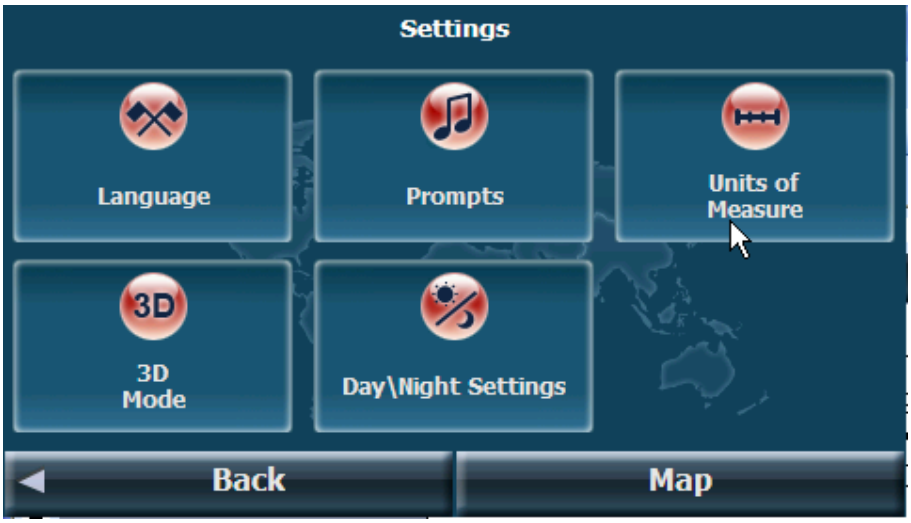


Selecting "Go To" from the Main Menu enables defining a destination. The following screen is displayed:



Selecting " Route Manager " from the Main Menu enables receiving a Turn-by-Turn description of the route, seeing the route, avoiding roads, canceling the current active route and defining a quick navigation destination. The following screen is displayed:

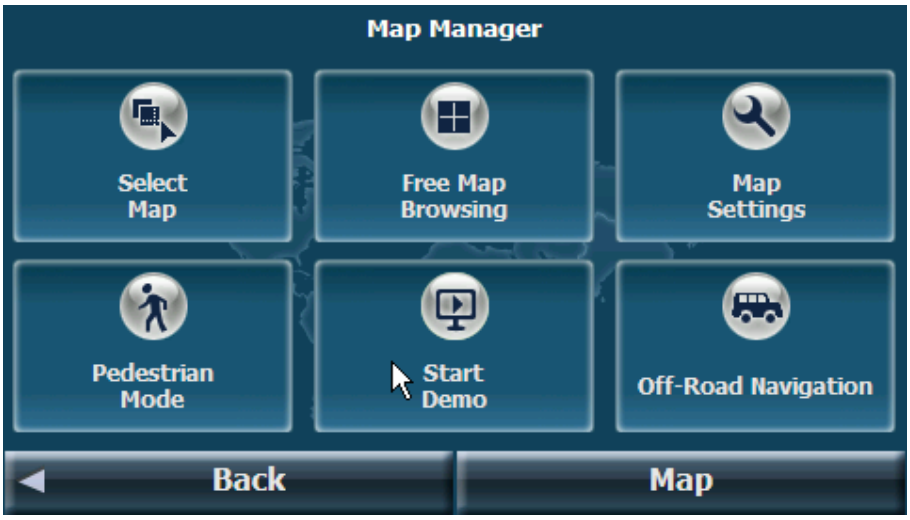
Selecting "Settings" from the Main Menu enables defining the user interface language (voice and text), setting default voice prompts, selecting units-of-measure, 2D/3D view and day/night settings. The following screen is displayed:



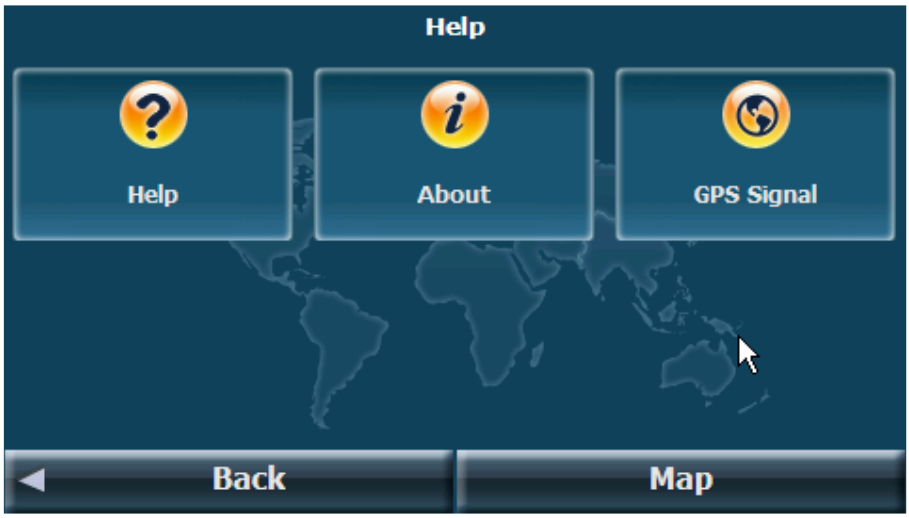
Selecting "Ituran BIG" from the Main Menu provides information concerning the Ituran call center. The following screen is displayed:

Stuck in a traffic jam? Want us to make
restaurant reservations for you?
Need assistance operating the GPS unit?
Call Ituran BIG at *324
24 hour a day / 7 days a week
OK
Quit
Map

Selecting "Map Manager" from the Main Menu enables selecting a map, free map browsing, defining default settings, starting a demo and activating "Pedestrian Mode" or "Off Road Navigation". The following screen is displayed:

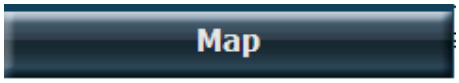


Selecting "Help" from the Main Menu enables receiving information concerning GPS reception and getting information concerning the s/w version. The following screen is displayed:



Press

to exit the navigation application and return to the Opening Screen.

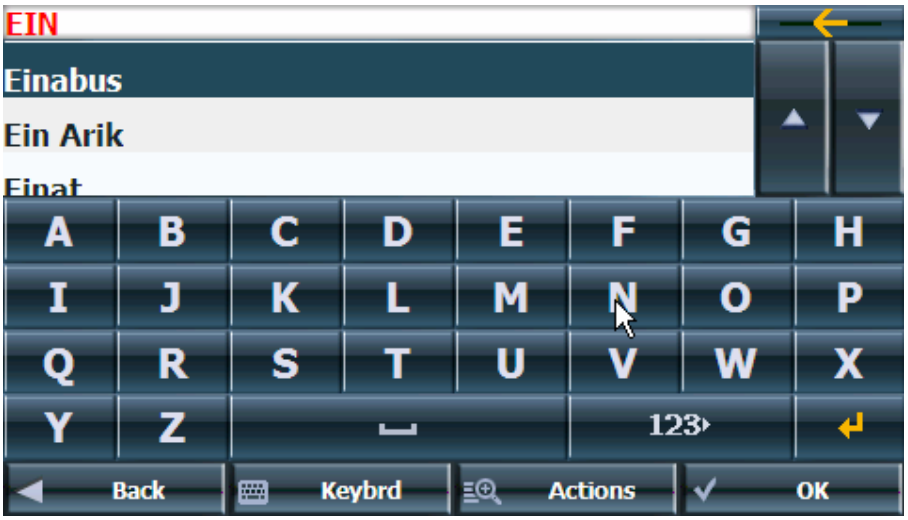
Press 

to return to the main map screen

4. **<u>Go To Menu</u>**

a. **Selecting "Address" from "Go To" menu** enables defining a destination. See "Quick Start" for details.

   i. **The Search Engine:**
   When typing a letter the search algorithm will search for names that begin with the defined letter. For example, if we type the three letters E, I and N will we get the following results:



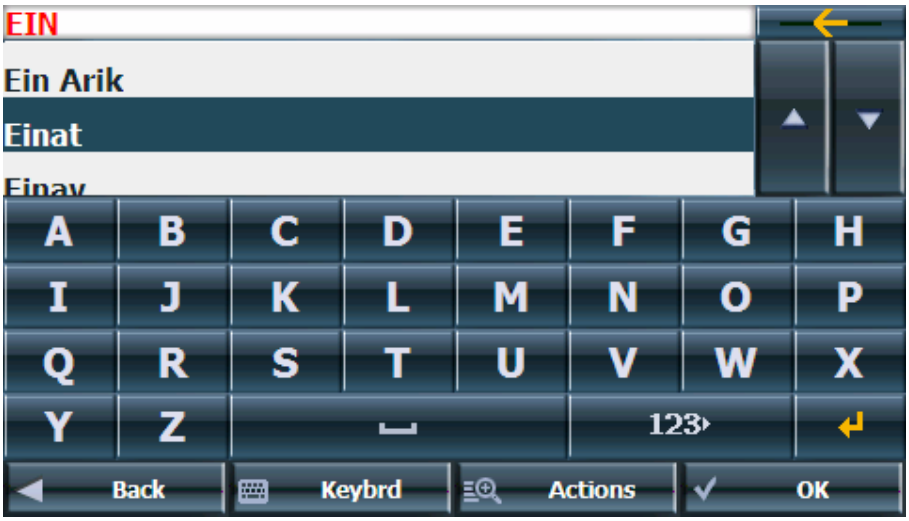
Pressing the button will present the list of names beginning with "HAR". One can scroll through the list and select a city.

However, if searching for a destination that the letters HAR are not at the beginning of the name, press Keybrd. At this stage all names with the letters "HAR" will be displayed.

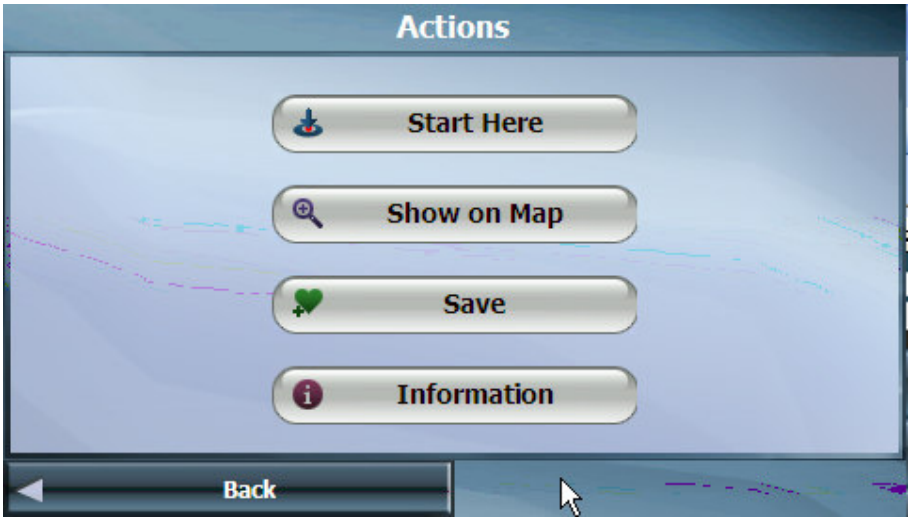
Note: The search engine will automatically go to the extended search if no names have the required letters at their beginning.

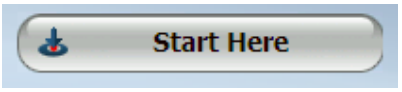
To return to the display with the key board press Search

ii. **The Actions button:**
Once the city name appears in the list, for example "Einat":



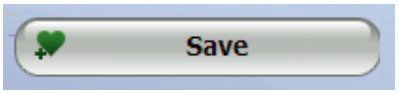
Pressing the button displays the following screen:



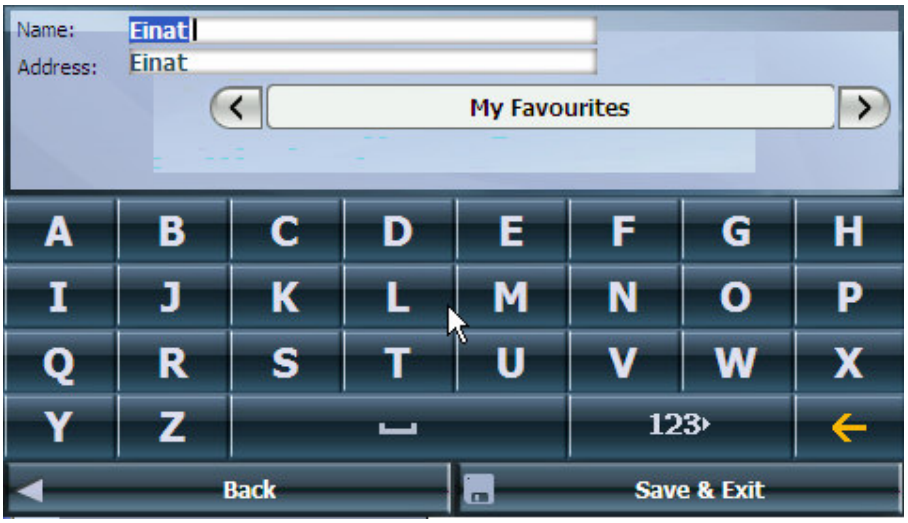
Press  to define Einat as the starting point.

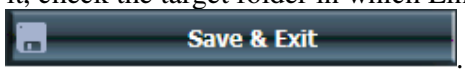
Press to display Einat on the map.

Press to receive general data concerning Einat.

Press  to save Einat in "My

Favorites". Once Save is selected the following screen appears:



Verify the name or edit it, check the target folder in which Einat will be saved and press 

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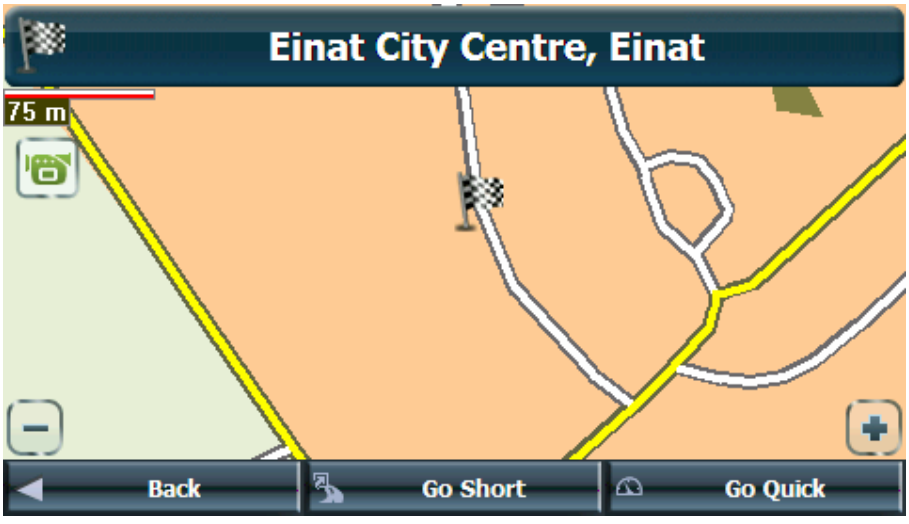
iii. "Route Demo"

Once the map of destination is displayed on the screen, prior to selecting "Go Short" or "Go Quick" you may press the button.



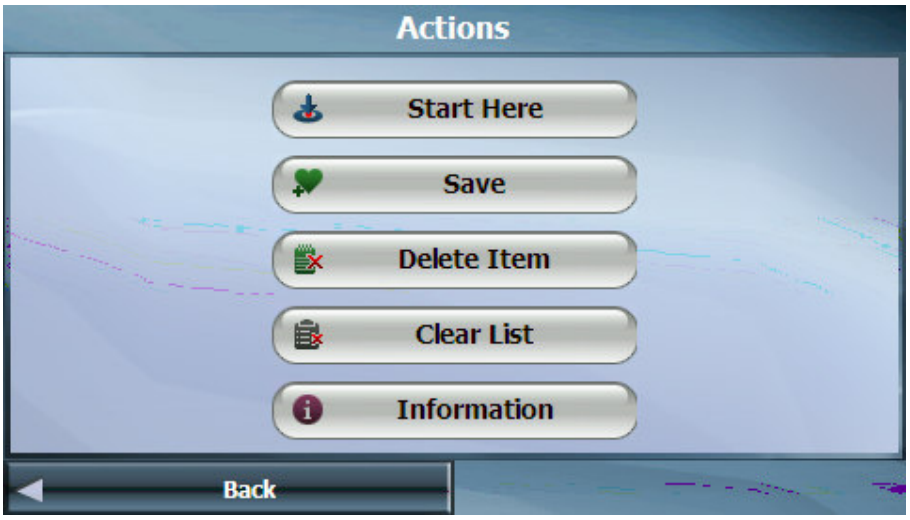
Pressing the button will activate a demo of the defined route from the defined start point.

Press to end the demo.

b. **Selecting "Recent Locations" from "Go To" menu** enables selecting a recent location as a destination. The following screen is displayed:

Pressing

displays the following screen which enables performing the defined actions for the selected location:



c. **Selecting "Points of Interest" from "Go To" menu** enables defining a Point Of Interest (POI) as a destination. The following screen is displayed:

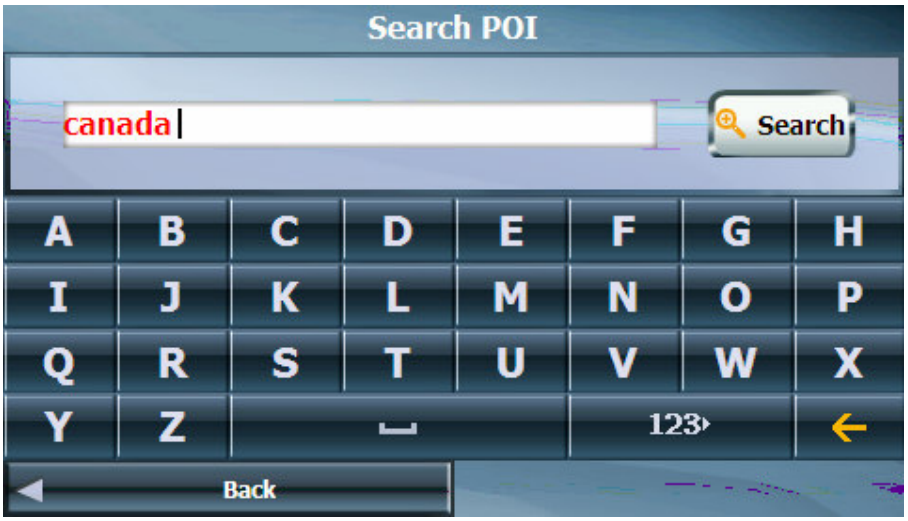
POIs can be searched by name or by category.
In addition, the software includes all points-of-interest defined by Mapa as Mapa Recommended. These are places to eat, sleep or attractions. All of the POIs in the Mapa Recommended list were rated by thousands of users. For more details see www.mapa.co.il.

All Mapa Recommended POIs are marked with a .

Notes:
* When selecting "Mapa Recommended" only POIs that are in the Mapa list will be displayed.
* A POI can be searched around the current location, the destination or another city
* A village with no streets will not be approved as "Another city".
* Search results are displayed according to their distance from the "Search Around" point.

i. Selecting

enables typing any name and performing a global search**.** For example type "Canada" and press search

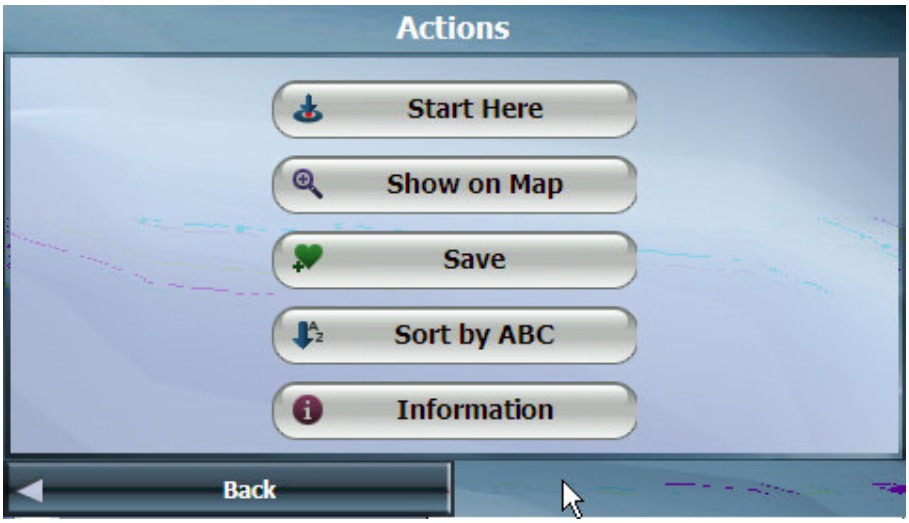


The following results will appear:

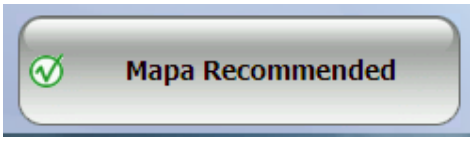
The POIs are displayed according to their distance from the "search Around" point. Mapa Recommended appear with a .

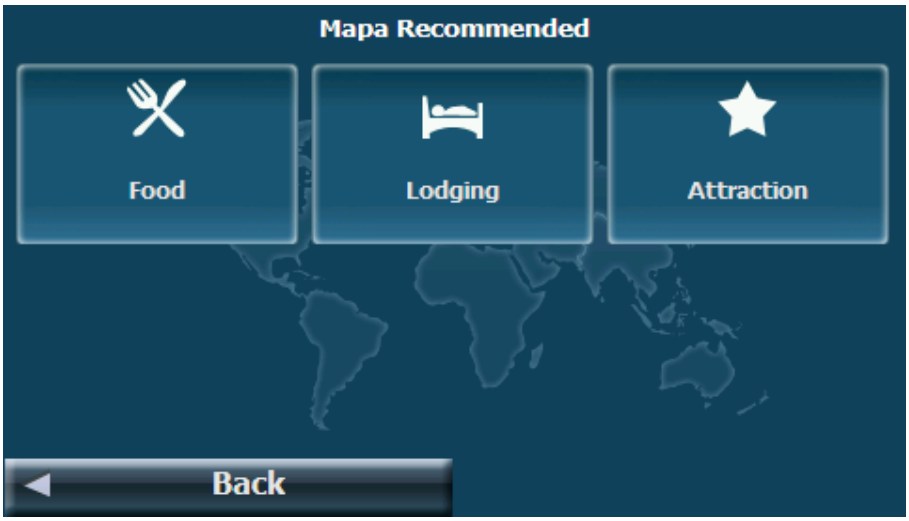
Pressing

displays the following screen:

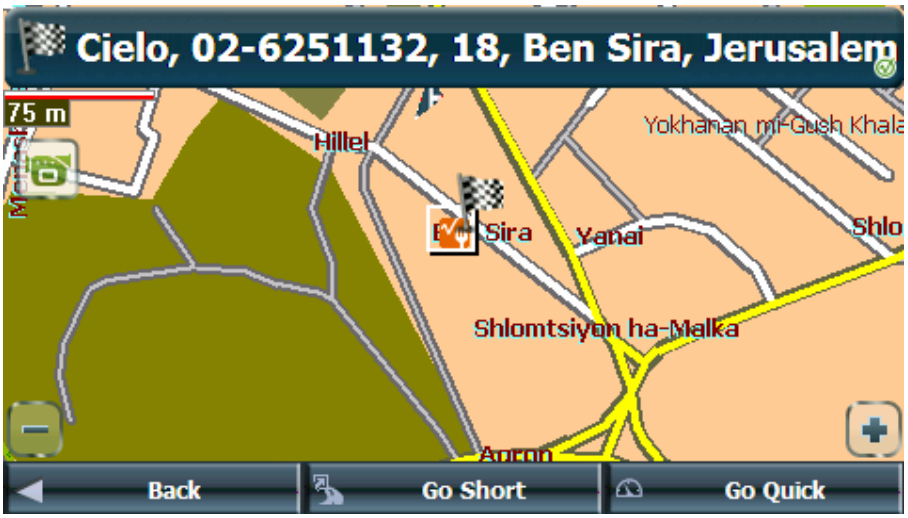


And enables performing any of the defined action on the highlighted POI.

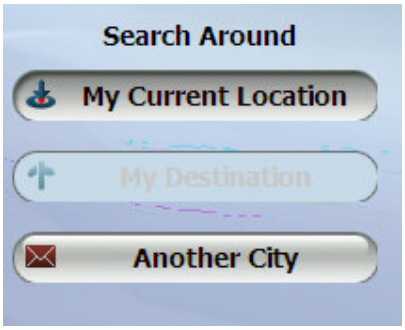
ii. Selecting  displays the following screen:



When a POI is selected the telephone number will appear. For example:



Note: The search will be done according to the defined "Search Around" point.

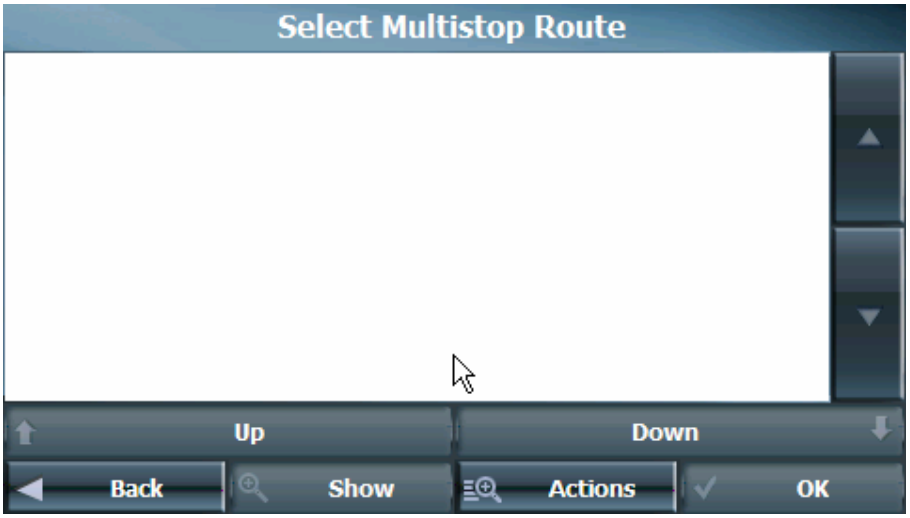


d. **Selecting "QuickNav" from "Go To" menu** enables selecting a pre-defined destination. On the first activation of QuickNav the following screen will be displayed:

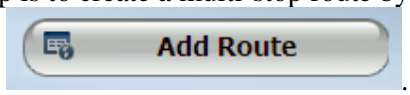
Define a QuickNav destination (address or POI) and save.

Note: The QuickNav destination may be updated via the Settings screen.

e. **Selecting "MultiStop Planner" from "Go To" menu** enables defining a route with several destinations (up to 12). The following screen will be displayed:

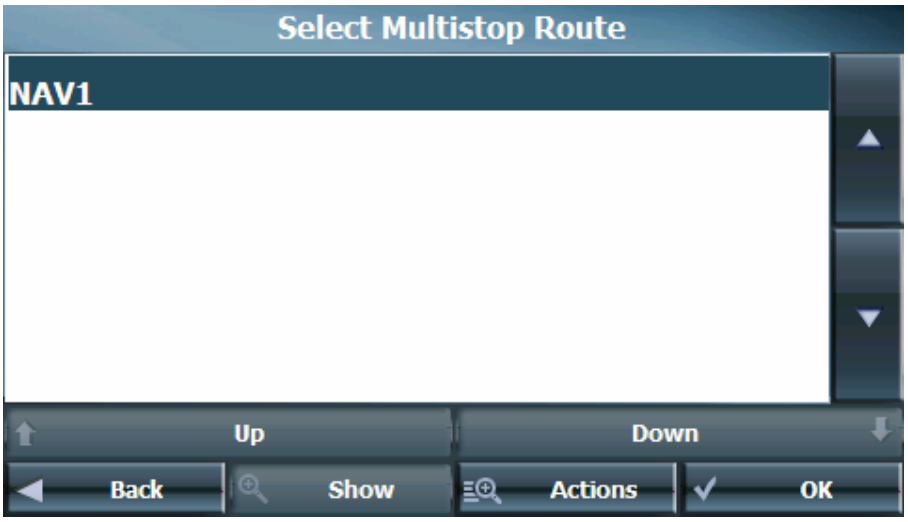


The first step is to create a multi-stop route by pressing

followed by 

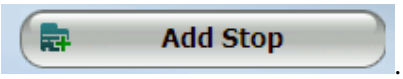
.

Define a name for the route (for example Nav1) and press Save.



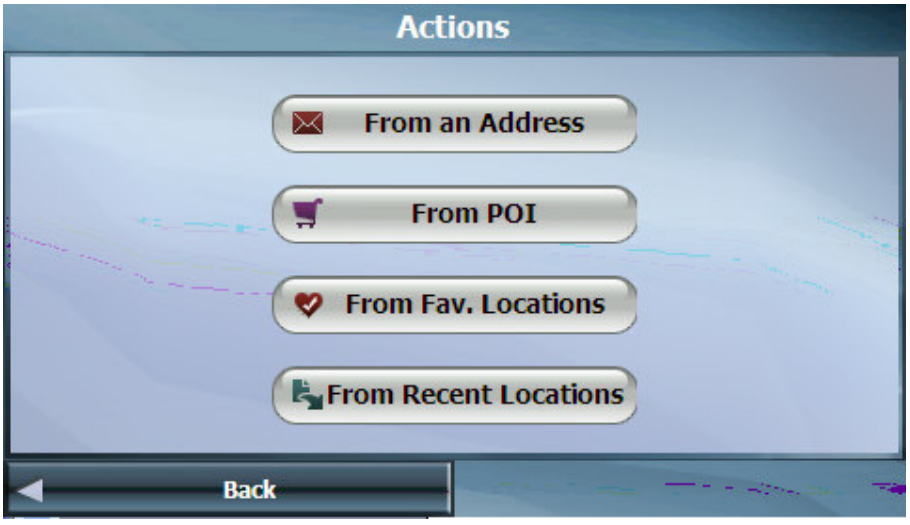
The second step is to add stops to the route. Press

followed by

and 

.

A stop can be defined from any of the following:

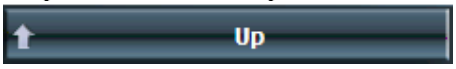


For every stop verify it has a name and saved to the required route.

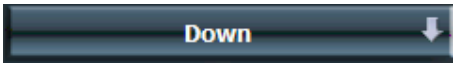
Add several stops and save.

At this stage a route with several stops will be displayed:

The third step is to organize the stops according to the required sequence. Stops can be moved up or down in the list using the



and



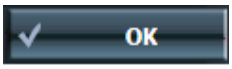
buttons.

The forth step is to activate the multi-stop route by pressing

.

At this stage an overview of the route will be displayed:

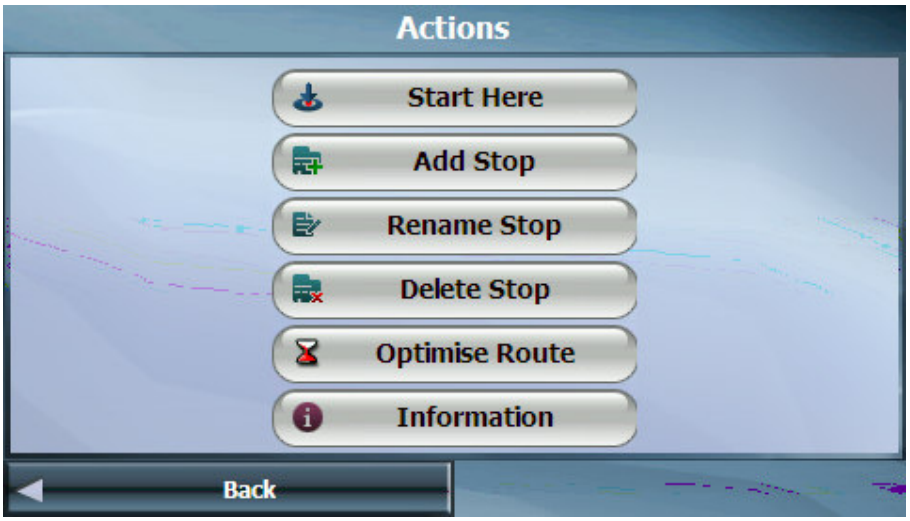
Select "Go Short" or "Go Quick".

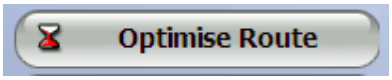
Note: Before selecting 

to activate the route

one can press

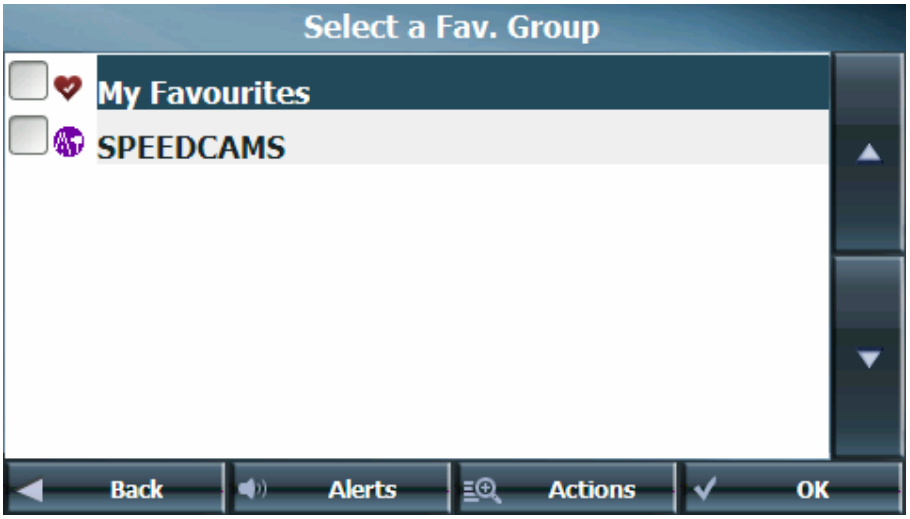
to perform any one of the displayed actions:



By selecting 

the navigation software will calculate an optimal route (minimal distance).

f. **Selecting " Favorites" from "Go To" menu** enables creating and editing lists of favorite destinations. Please note that in this screen one defines the lists (add, delete, edit) and activate alarms to indicate approaching a favorite destination. Destinations are not added from this screen. The following screen will be displayed:



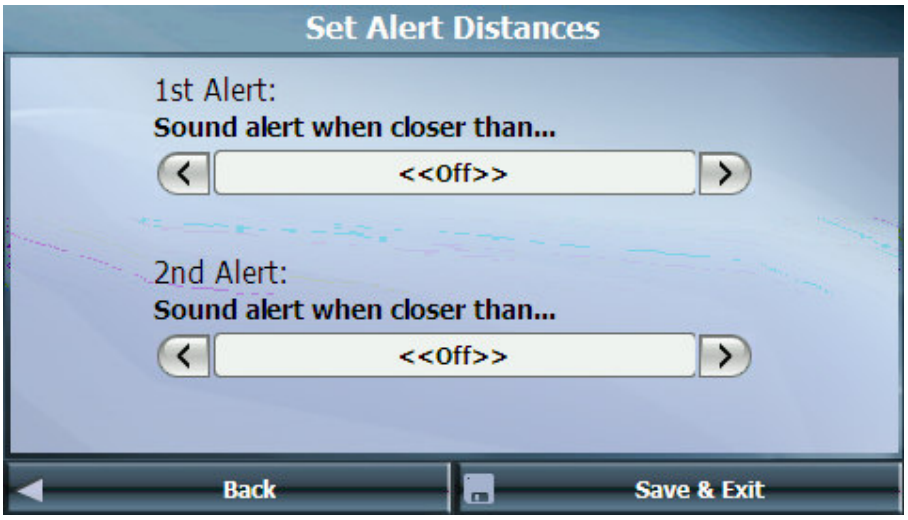
i. The maps of Israel include data concerning Speed Cameras. Note: The default setting of speed cameras is OFF. Activate the indications and alarms as explained in the next two sections.

ii. When pressing the a √ will be added to indicate that all destinations defined in this list will be displayed on the map. There

symbol will be

iii. Press

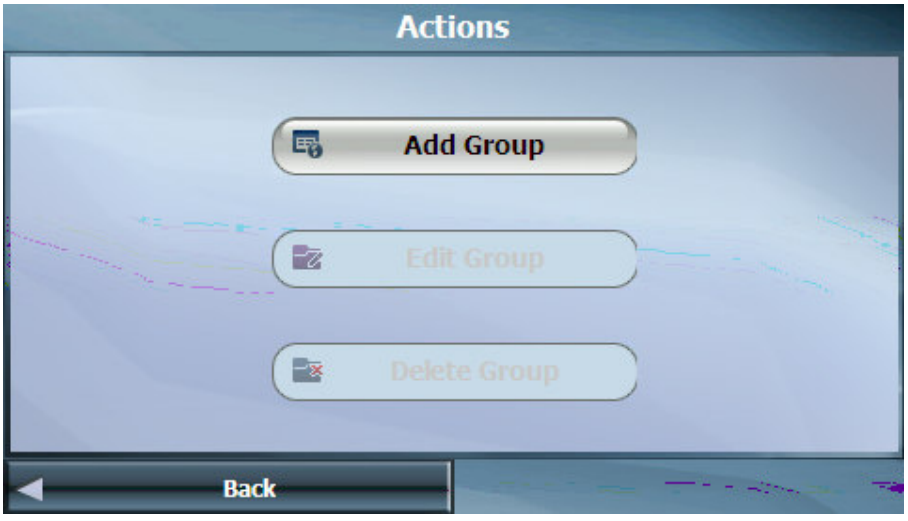
to activate audio alerts to indicate approaching a destination in the list. The following screen will be displayed:

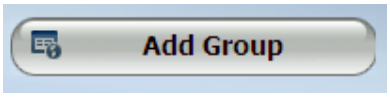


For each group up to two alerts can be defined. The alerts will be sound when the distance to a point is closer than the defined.

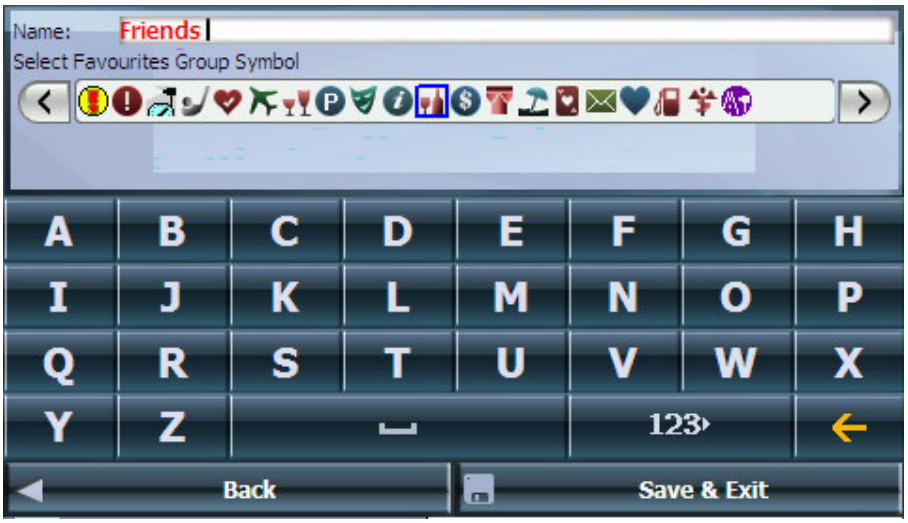
iv. To add a new group of favorites press

from the main screen. The following screen will be displayed:



Select 

type a name and select a symbol. For example "Friends" with the symbol.



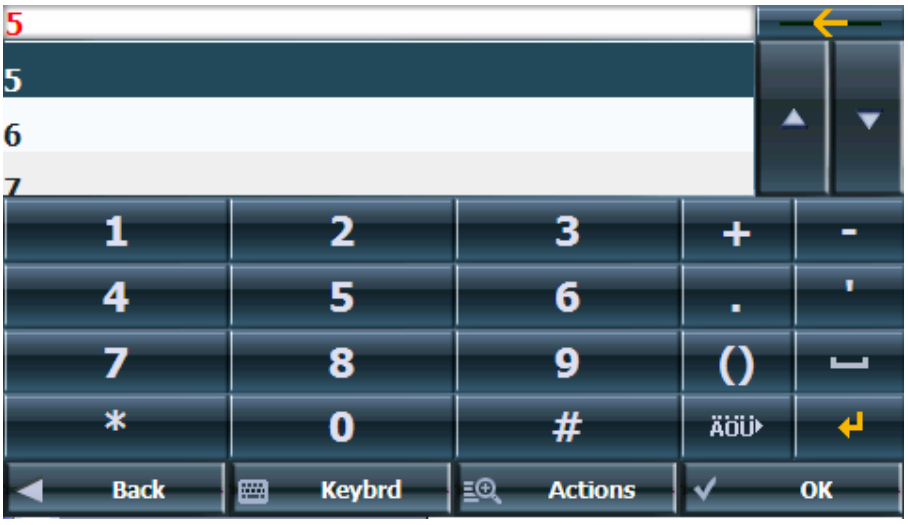
Press

.

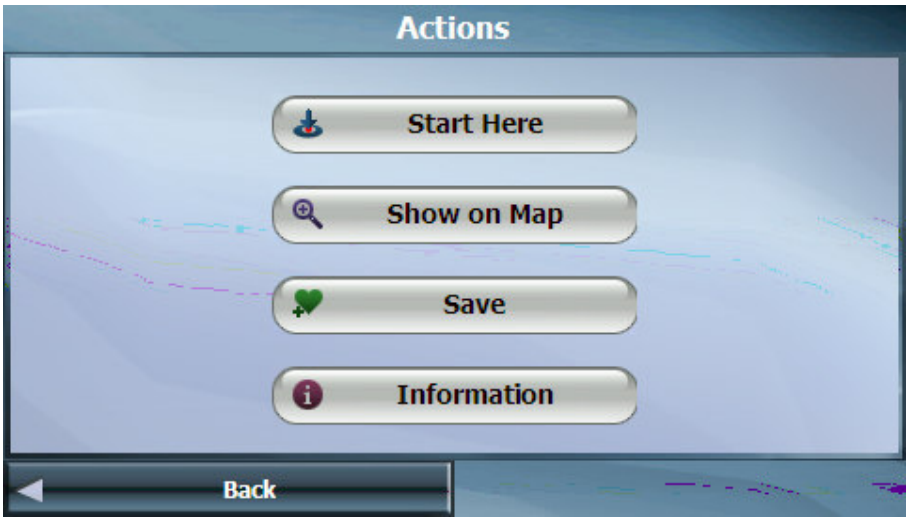
At this stage one can display the icon on the map display by selecting the icon box ( ) and activate alerts (

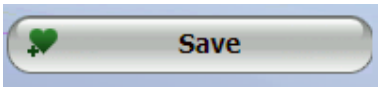
).

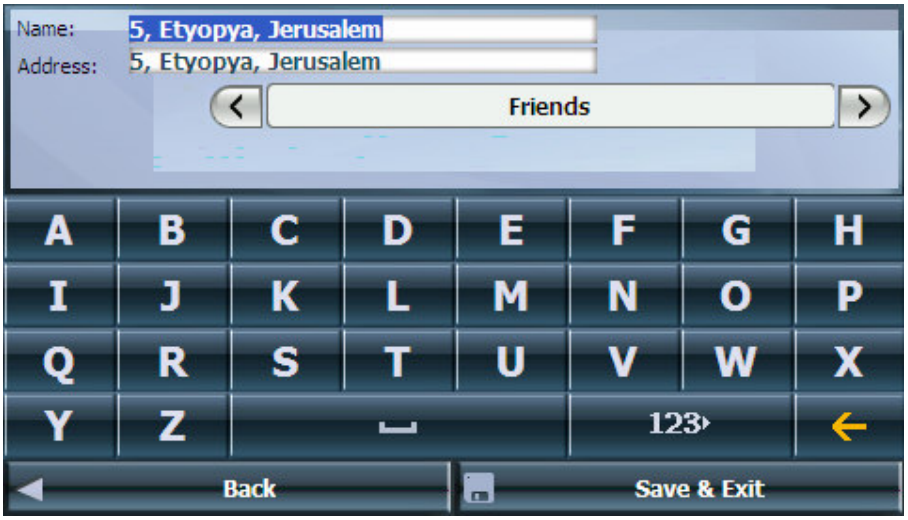
v. Adding a destination to a list of favorites is done from the "Go To" screens. For example if we want to add 5 Etyopya street in Jerusalem to Friends, we will select Address, define Jerusalem as the city, enter Etyopya as the street and select number 5.



Before pressing OK select



Then select 



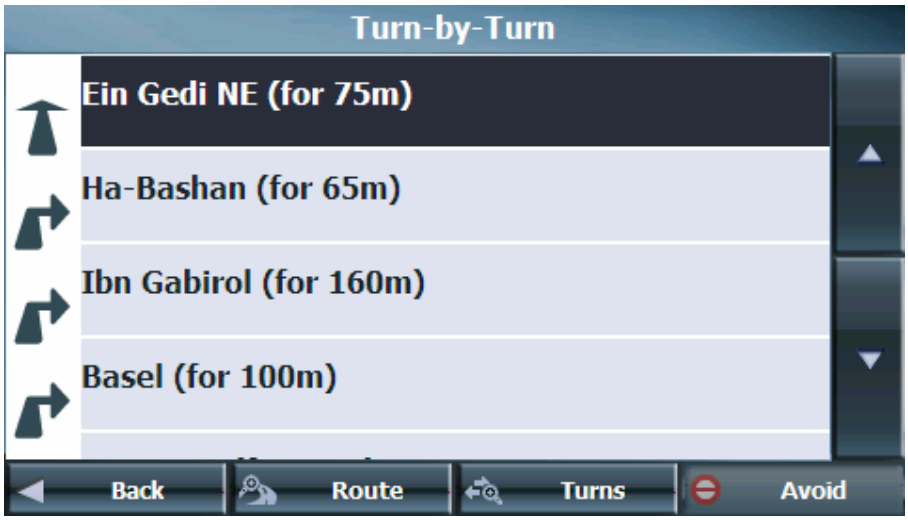
Edit the name of the point, select the required list and save.

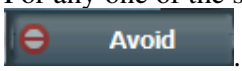
5. **<u>Route Manager Menu</u>**

   The following screen will be displayed after selecting "Route Manager" from the "Main Menu":

This enables presenting the route as a Turn-by-Turn list, displaying the route on the map, avoiding roads, canceling the current route and defining a QuickNav destination.

a. **Selecting "Turn-by-Turn" from the "Route Menu"** presents the route in a list of all streets and turns. The following screen is displayed:

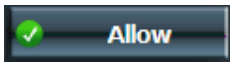


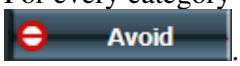
For any one of the streets in the list the driver may press 

. The navigation will re-calculate a route avoiding that road.

b. **Selecting "Route Overview" from the "Route Menu"** will display the route on the map.

c. **Selecting "Avoid Roads" from the "Route Menu"** enables avoiding roads according to category. The following screen is displayed:

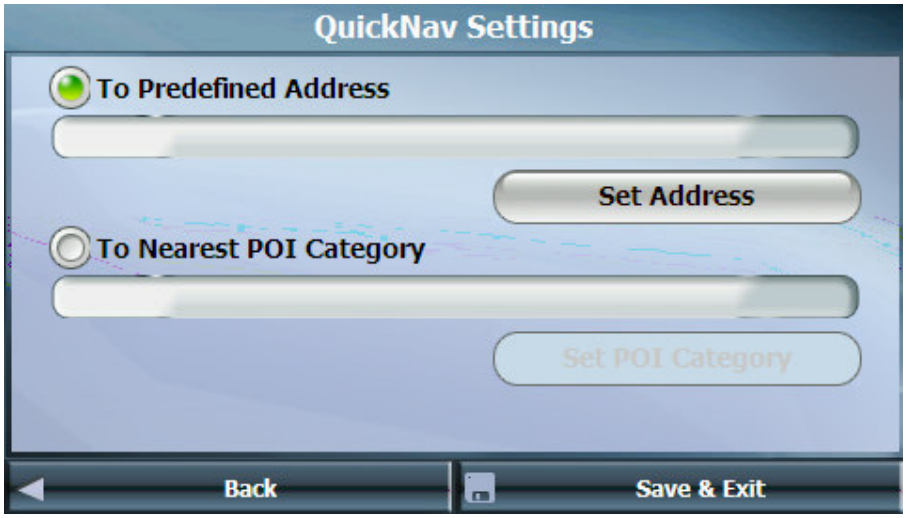
For every category one may select 

or 

.

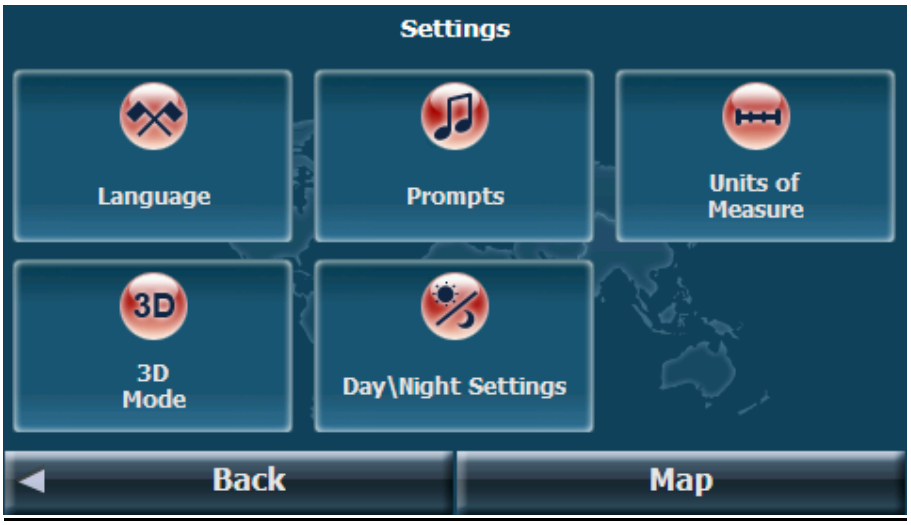
d. **Selecting "Cancel Route" from the "Route Menu"** will cancel the active route.

e. **Selecting "QuickNav" from the "Route Menu"** enables defining a quick-navigation destination (normally Home). A destination can be defined as an address or a POI. The following screen is displayed:



6. **<u>Settings Menu</u>**

The following screen will be displayed after selecting "Settings" from the "Main Menu":

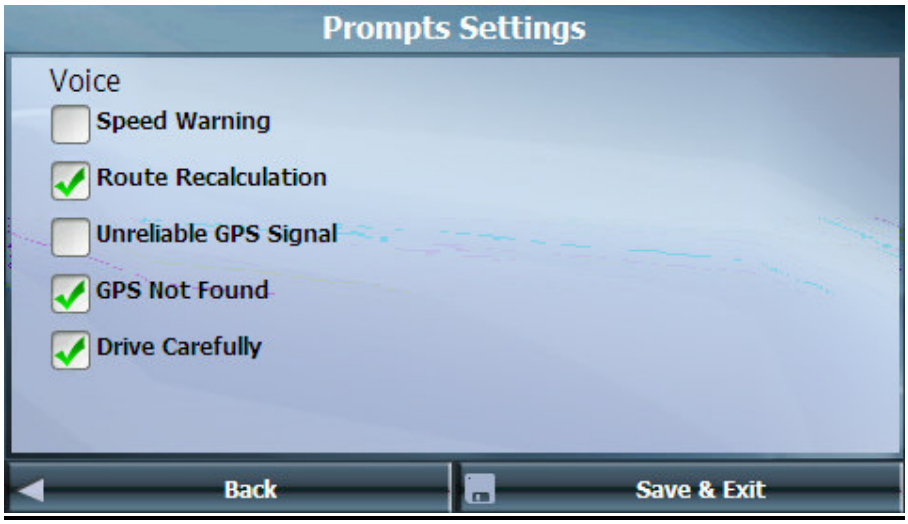


This menu enables defining the following settings.

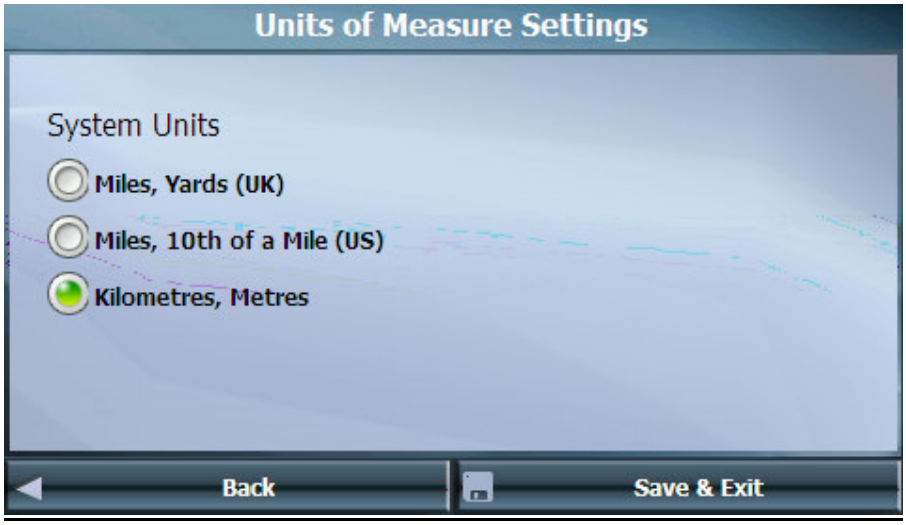
a. **Selecting "Language" from the "Settings Menu"** enables defining the text language and the voice prompt language. The following screen is displayed:

Scroll through the list using the arrow keys and then press Save.

b. **Selecting "Prompts" from the "Settings Menu"** enables defining the visual and voice prompts. The default settings are:



c. **Selecting "Units of Measure" from the "Settings Menu"** enables selecting the required units for the display and voice prompts. The default settings are:

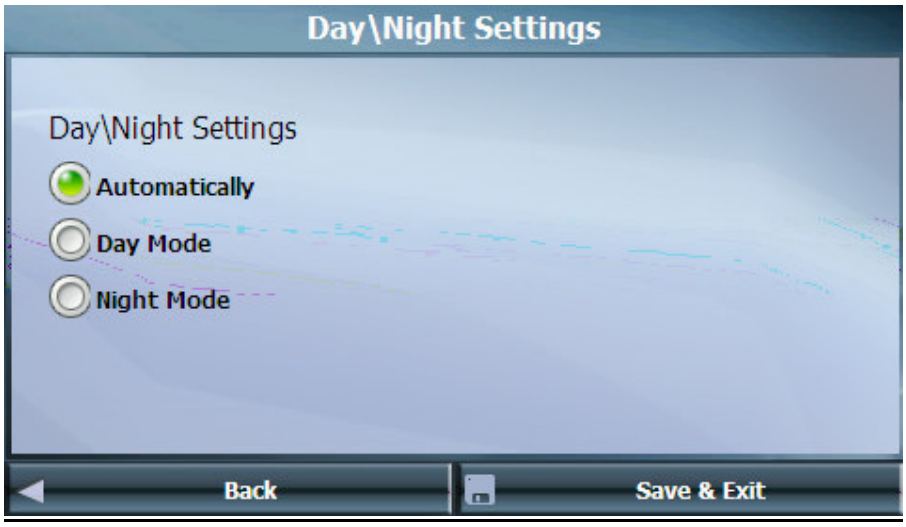


d. **Selecting**

or

from the "Settings Menu" defines the map display viewing angles. Please note that the driver can switch between 2D, 3D and 2D with North up by pressing on the compass icon on the map display ( ).

e. **Selecting "Day\Night" from the "Settings Menu"** enables selecting the display colors. The default settings are:



Note: When the automatic mode is selected, the software will automatically change between day and night display colors. This function works only when there is GPS satellite reception and is based on the time received from the GPS.

7. **Ituran Big**

The following screen will be displayed after selecting "Ituran BIG" from the "Main Menu":

Stuck in a traffic jam? Want us to make
restaurant reservations for you?
Need assistance operating the GPS unit?
Call Ituran BIG at *324
24 hour a day / 7 days a week
OK
Quit
Map

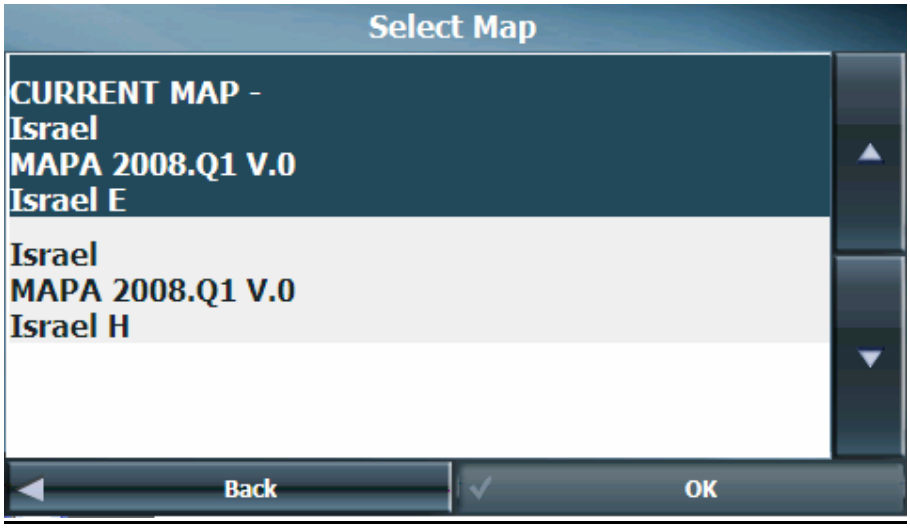
8. **Map Manager Menu**

The following screen will be displayed after selecting "Map Manager" from the

"Main Menu":

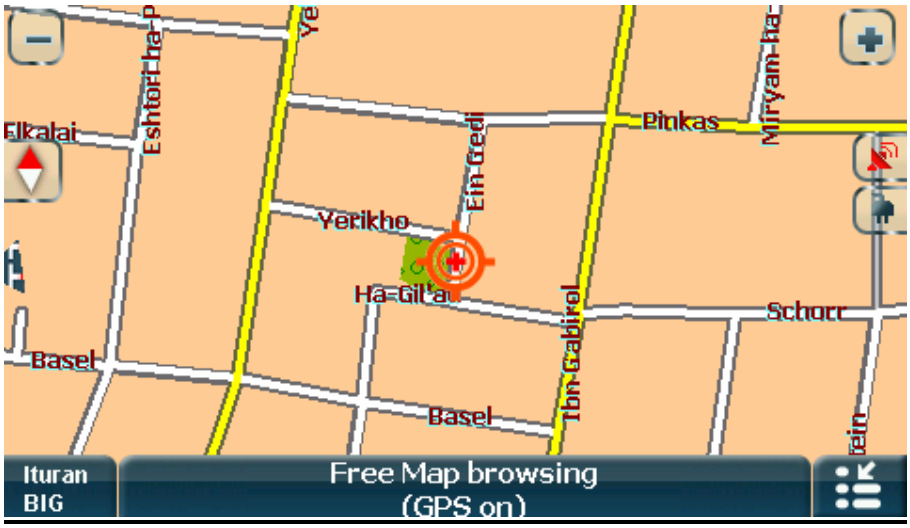
This menu enables defining the following settings.

a. **Selecting "Select Map" from the "Map Manager Menu"** enables selecting a map. The following screen is displayed:

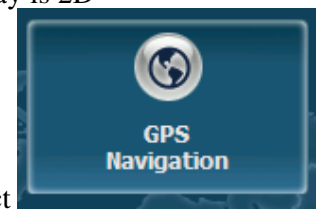


Note:
Israel E stand for English
Israel H stand for Hebrew.

b. **Selecting "Free Map Browsing" from the "Map Manager Menu"** enables scrolling the map in any direction. The following map is displayed:

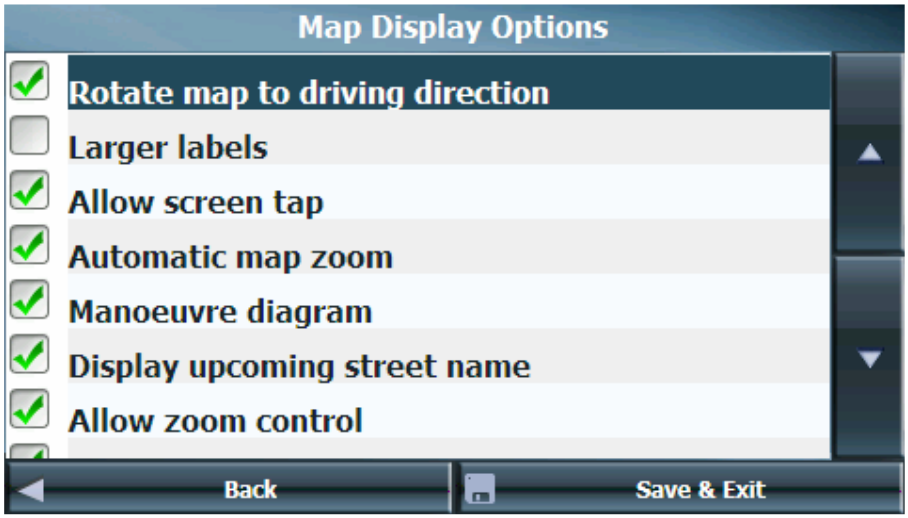


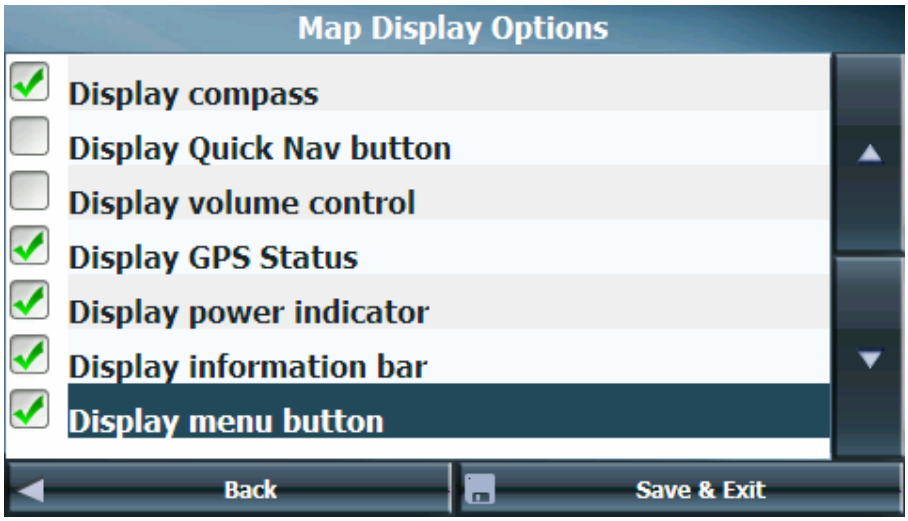
Notes:
* Map display is 2D



* Must select in order to return to normal (GPS) navigation mode.

c. **Selecting "Map Settings" from the "Map Manager Menu"** enables defining the map display options. The defaults settings are:





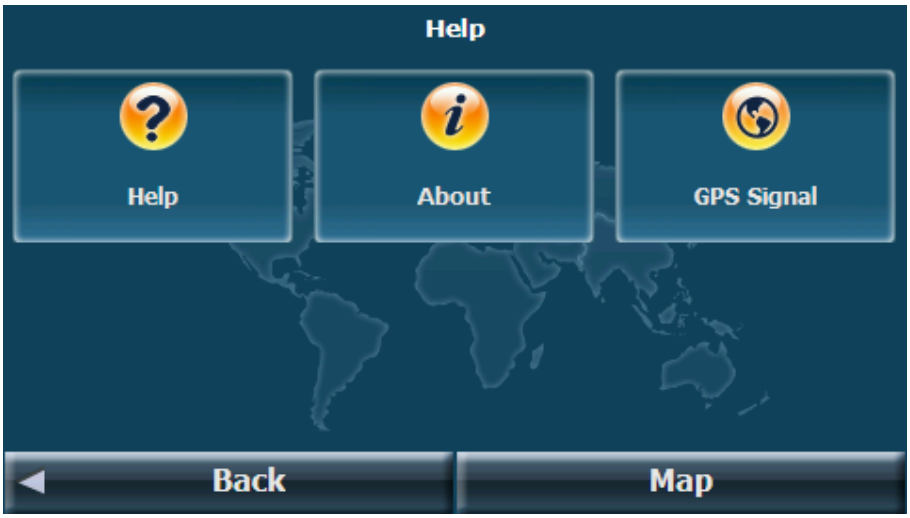
d. Selecting "Pedestrian Mode" from the "Map Manager Menu" defines that the navigation system will operate in a pedestrian mode rather than a vehicle mode.
When in the Pedestrian Mode:
* Navigation is enabled on all streets and alleys
* All turn restrictions are cancelled (one-way, no turn, etc.)
* The route is limited to 12 kilometers in length
* The map display is presented so that the top part of the screen faces to the North (North Up instead of Heading Up)
* There are no voice prompts
* Recent destinations are not saved
* Icon and active route colors are different to those of Vehicle Mode

e. Selecting "Start Demo" from the "Map Manager Menu" activates a pre-defined demo. Must verify demo mode is ended in order to return to normal (GPS) navigation.

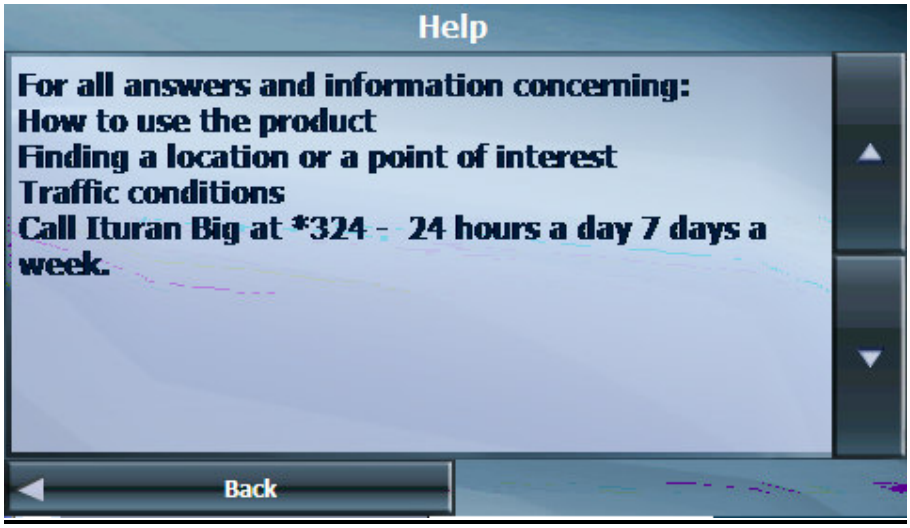
f. Selecting "Off Road Navigation" from the "Map Manager Menu" will activate Off Road Navigation if an SD with such an application exists. Off Road Navigation is to be purchased separately.

9. Help Menu

The following screen will be displayed after selecting "Help" from the "Main Menu":

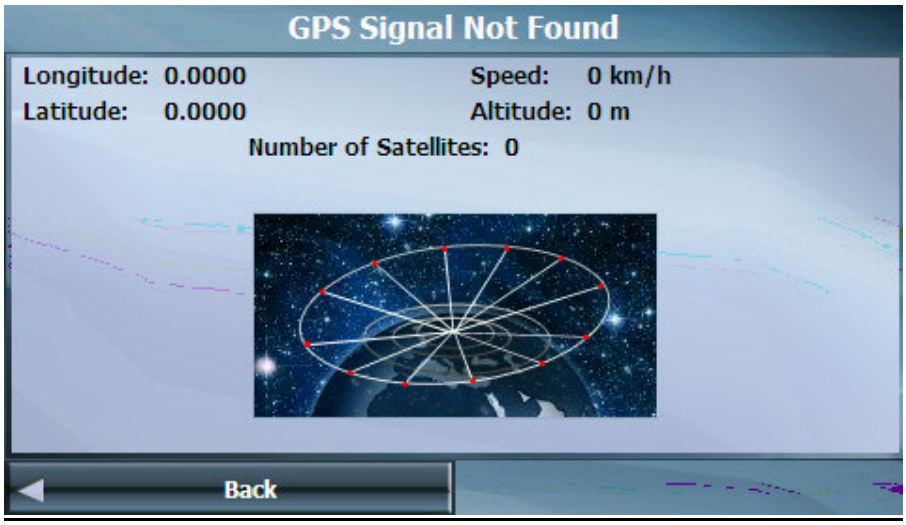


a. **Selecting "Help" from the "Help Menu"** provides information concerning the Ituran BIG call center. The following screen is displayed:


Help
For all answers and information concerning:
How to use the product
Finding a location or a point of interest
Traffic conditions
Call Ituran Big at *324 - 24 hours a day 7 days a week.
Back

b. **Selecting "About" from the "Help Menu"** provides information concerning the software version and map version.

c. **Selecting "GPS Signal " from the "Help Menu"** provides information concerning the GPS satellite reception. The following screen is displayed:



10. <u>Other Options</u>:

The system enables viewing photos, listening to song, watching video and playing the game of Trivia (in Hebrew).

Note: The photos, songs and video clips are to be installed on a SD card which is purchased separately.

a. **Selecting "Games" from the "Main Menu"** will activate the Trivia game (in Hebrew)

b. **Selecting "Music" from the "Main Menu"** will enable listening to songs. The following screen will be displayed:

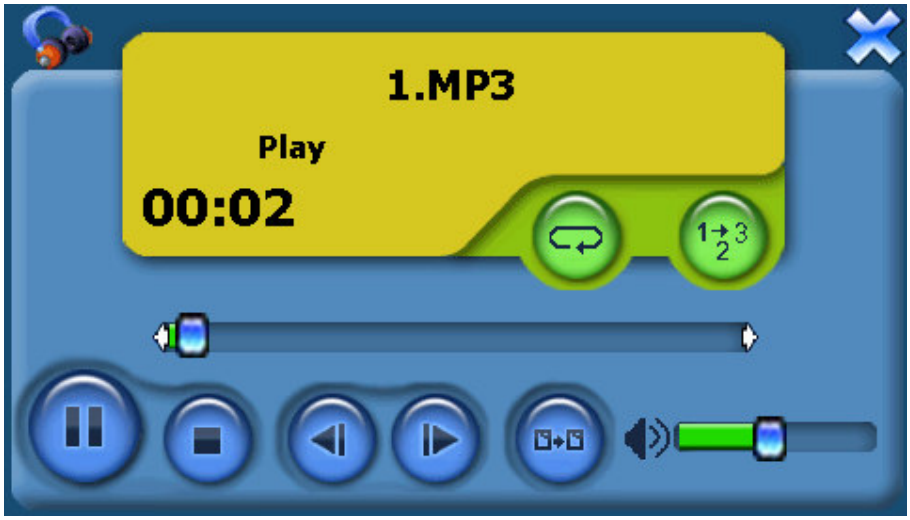
The screen will display all songs that appear on the SD card.

Press and to scroll through the list of songs.

Press to repeat.

Press to exit and return to the Main Menu.

Once a song is selected the following screen is displayed:



Select for volume control.

Select to play songs randomly.

Press to repeat.

Press for the next page of songs.

c. **Selecting "Photo" from the "Main Menu"** will enable viewing pictures. The following screen will be displayed:

The screen will display all pictures that appear on the SD card.

Press and to scroll through the list of songs.

Press to repeat.

Press to exit and return to the Main Menu.

Once a picture is selected the following screen is displayed:

Press to increase the picture (Zoom).

Press to rotate the picture.

Press to display the picture on the entire display.

Press to display the next page.

d. **Selecting "Video" from the "Main Menu"** will enable viewing video clips. The following screen will be displayed:

The screen will display all video files that appear on the SD card. The video formats that can be displayed are: WMV,AVI, MPEG, MPG, ASF.

Press and to scroll through the list of songs.

Press to repeat.

Press to exit and return to the Main Menu.

Once a video clip is selected the following screen is displayed:

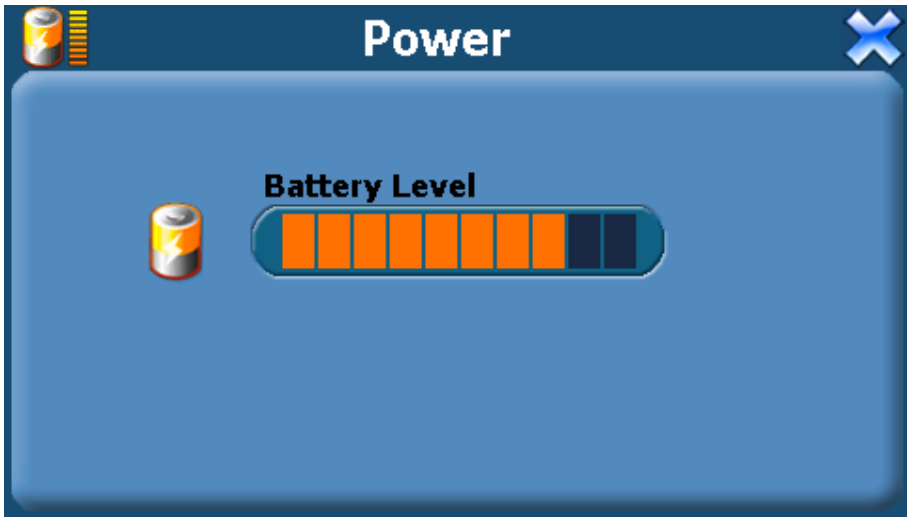
Press to display the picture on the entire display.

Press to display the next page.

e. **Selecting "system" from the "Main Menu"** will enable defining system parameters. The following screen will be displayed:

i. **Selecting "Volume" from the "System Menu"** enables controlling the system volume and activating or de-activating screen taps. The following screen is displayed:

ii. **Selecting "Power" from the "System Menu"** enables receiving information concerning the status of the battery. The following screen is displayed:



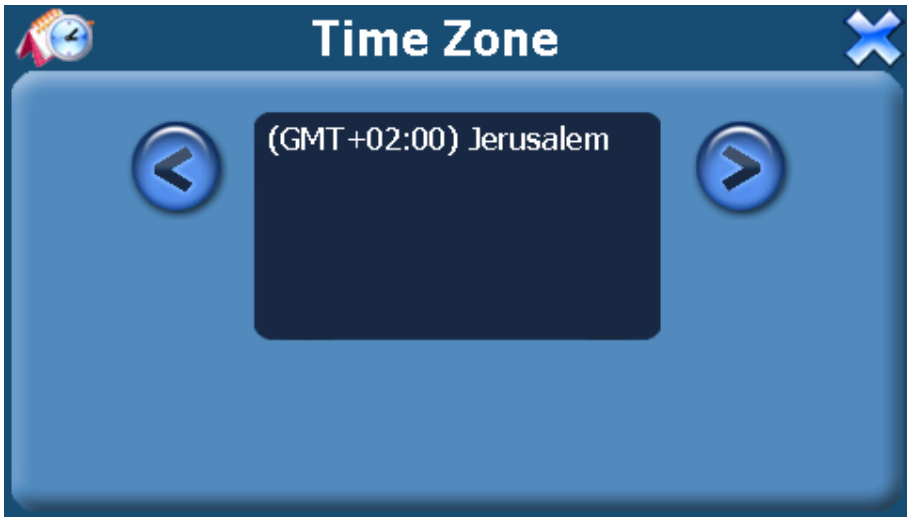
iii. **Selecting "Backlight" from the "System Menu"** enables controlling display illumination and defining automatic display shut-down for power supply saving. The following screen is displayed:

iv. **Selecting "Date Time" from the "System Menu"** enables setting the time, date and time zone. The following screen is displayed:

When selecting "Date" the following screen is displayed:

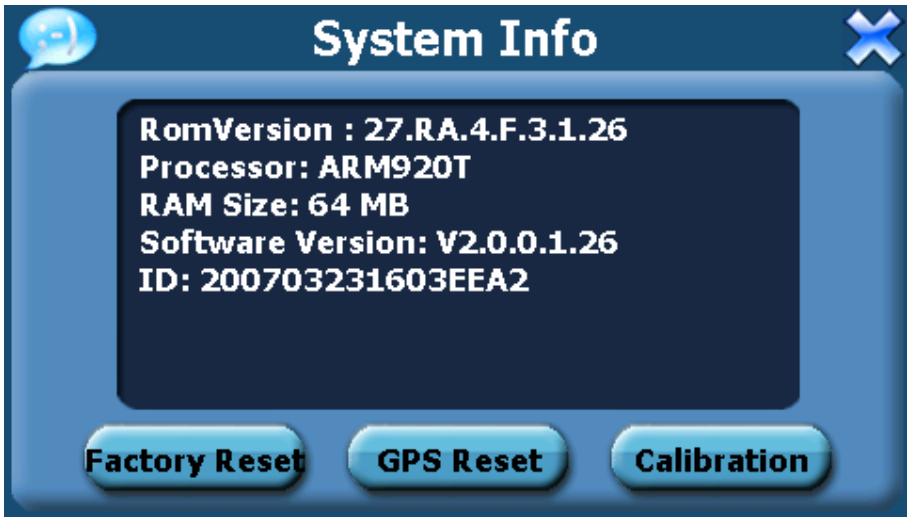
When selecting "Time" the following screen is displayed:

When selecting "Zone" the following screen is displayed:



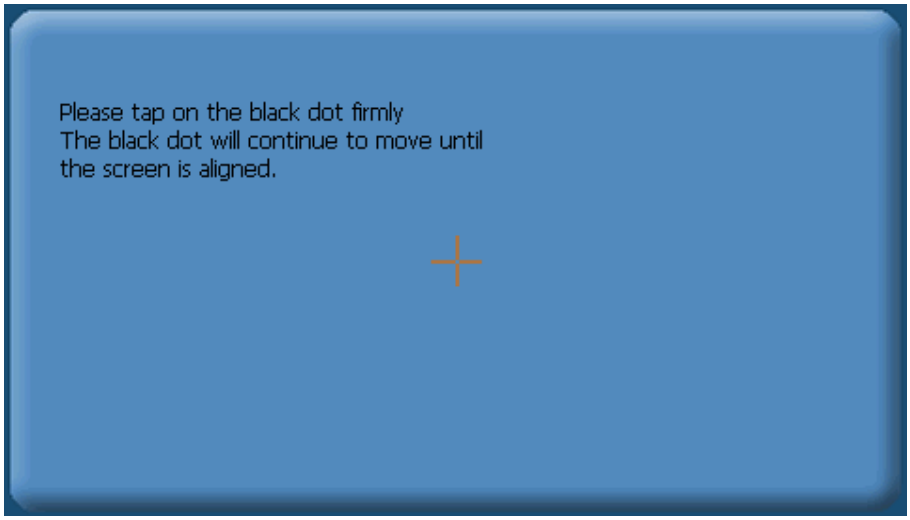
v. **Selecting "Language" from the "System Menu"** enables defining the language of the system which includes the "Other Applications". Please note that the language of the navigation s/w is defined with-in the navigation software. The following screen is displayed:

vi. **Selecting "System" from the "System Menu"** provides information concerning the system, enables display calibration and a system / GPS reset. The following screen is displayed:



Once pressing

the following screen is displayed.



Follow instructions carefully.

Trouble Shooting:

Trouble shooting:

Attached is a list of problems. Please try and address these issues prior to contacting the service center. If the problem is not solved contact Ituran service center at *324 from any mobile phone. The service center will be at your service 24 hours a day 7 days a week. In any case, do not open the unit or try to fix it by yourself.

1. **Problem**: **The unit can not be turned on**
   Action: The battery may be weak or discharged. Charge the battery and try again. It is recommended to charge the battery for at least 3 hours

2. **Problem**: **No audio**
   Action: Increase volume by rotating the volume control button. In addition, check the system setting (Main System menu → Volume).

3. **Problem: No satellite reception (No GPS signal).**
   Action: Satellite reception may be blocked by buildings. In addition verify that the battery is fully charged. There may not be GPS reception when the battery is low

4. **Problem: Error message box appears on the display**
   Action: This occurs when the SD card is not properly placed in the slot. Take the SD card out, replace it and press the Reset button. When using maps of other countries (installed on a SD card), please Exit the navigation application prior to taking the SD card out of the slot.

5. **Problem: Display does not respond correctly**
   Action: This display may not be calibrated. Exit the navigation application to the main system menu, select system and press calibration. Follow the instructions carefully.